

CLAIMS:

1. Telecommunication system comprising at least a first station and a second station for providing a telecommunication service via at least one communication channel with a time-frame structure with at least one group of timeslots, in which group at least two timeslots are flexible timeslots each being (re)allocatable to an uplink or a downlink, wherein
5 in said group at least one timeslot is a fixed uplink timeslot, at least one timeslot is a fixed downlink timeslot, and said at least two flexible timeslots comprise a first number of timeslots having a priority of an uplink kind and a second number of timeslots having a priority of a downlink kind.
- 10 2. Telecommunication system according to claim 1, wherein said group of timeslots corresponds with a (sub)frame, with said at least one fixed uplink timeslot being one fixed uplink timeslot, with said at least one fixed downlink timeslot being one fixed downlink timeslot, and with said at least two flexible timeslots corresponding with all other timeslots in said (sub)frame and being equal to said first number of timeslots and to said
15 second number of timeslots, with one kind of priority increasing and with the other kind of priority decreasing per timeslot.
3. Telecommunication system according to claim 1, wherein said group of timeslots corresponds with a (sub)frame of a cell, with one timeslot of said first number of
20 timeslots being located at one end of said at least two flexible timeslots and having a maximum priority of an uplink kind and with further timeslots of said first number of timeslots having decreasing priorities of an uplink kind, and with one timeslot of said second number of timeslots being located at the other end of said at least two flexible timeslots and having a maximum priority of a downlink kind and with further timeslots of said second
25 number of timeslots having decreasing priorities of a downlink kind, and with said first number of timeslots and said second number of timeslots being defined by rules which take into account at least one adjacent cell.

4. Telecommunication system according to claim 1, wherein at least said first number of timeslots having a priority of an uplink kind and said second number of timeslots having a priority of a downlink kind are defined by interference detection results.

5. Telecommunication system according to claim 1, wherein at least one of said stations comprises a memory for storing priority parameters, with said first number of timeslots being defined by priority parameters of an uplink kind and with said second number of timeslots being defined by priority parameters of a downlink kind.

6. Telecommunication system according to claim 5, wherein at least one of said stations comprises an allocator for, upon request for uplink/downlink capacity, allocating at least one flexible timeslot to an uplink/downlink, in dependence of uplink/downlink priority parameters, with at least one of said stations comprising an interference detector for generating interference detection results.

7. Telecommunication system according to claim 6, wherein at least one of said stations comprises a processor for defining said first number of timeslots and said second number of timeslots at the hand of rules which take into account at least one adjacent cell.

8. Station for use in a telecommunication system comprising at least a first station and a second station for providing a telecommunication service via at least one communication channel with a time-frame structure with at least one group of timeslots, in which group at least two timeslots are flexible timeslots each being (re)allocatable to an uplink or a downlink, wherein in said group at least one timeslot is a fixed uplink timeslot, at least one timeslot is a fixed downlink timeslot, and said at least two flexible timeslots comprise a first number of timeslots having a priority of an uplink kind and a second number of timeslots having a priority of a downlink kind, with said station comprising a memory for storing priority parameters, with said first number of timeslots being defined by priority parameters of an uplink kind and with said second number of timeslots being defined by priority parameters of a downlink kind.

9. Method for use in a telecommunication system comprising at least a first station and a second station for providing a telecommunication service via at least one communication channel with a time-frame structure with at least one group of timeslots, in

which group at least two timeslots are flexible timeslots each being (re)allocatable to an uplink or a downlink, wherein in said group at least one timeslot is a fixed uplink timeslot, at least one timeslot is a fixed downlink timeslot, and said at least two flexible timeslots comprise a first number of timeslots having a priority of an uplink kind and a second number of timeslots having a priority of a downlink kind, which method comprises the step of allocating, upon request for uplink/downlink capacity, at least one flexible timeslot to an uplink/downlink, in dependence of uplink/downlink priority parameters.

10. Processor program product to be run via a processor in a station in a telecommunication system comprising at least a first station and a second station for providing a telecommunication service via at least one communication channel with a time-frame structure with at least one group of timeslots, in which group at least two timeslots are flexible timeslots each being (re)allocatable to an uplink or a downlink, wherein in said group at least one timeslot is a fixed uplink timeslot, at least one timeslot is a fixed downlink timeslot, and said at least two flexible timeslots comprise a first number of timeslots having a priority of an uplink kind and a second number of timeslots having a priority of a downlink kind, which processor program product comprises the function of processing priority parameters via a memory, with said first number of timeslots being defined by priority parameters of an uplink kind and with said second number of timeslots being defined by priority parameters of a downlink kind.